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## SEQUENCE LISTING

&lt;110&gt; ANDROCLUS THERAPEUTICS, S.A.

<120> MOLECULES FOR MODULATING ACTIVITY OF TOLL-LIKE  
RECEPTORS AND METHODS OF USING THE SAME

&lt;130&gt; AND-5001-PC

&lt;140&gt; PCT/US04/034915

&lt;141&gt; 2004-10-21

&lt;150&gt; 60/513,231

&lt;151&gt; 2003-10-21

&lt;160&gt; 73

&lt;170&gt; PatentIn Ver. 3.3

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&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Escherichia coli

&lt;220&gt;

&lt;223&gt; hsp 70

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Ile Gln Gln Arg Tyr Pro His Leu Pro Tyr Gln Phe Gln Ala Ser Glu  
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&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;223&gt; hsp 60

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Val Lys Ala Pro Gly Phe Gly Asp Asn Arg Lys Asn Gln Leu Lys Asp  
1 5 10 15Met Ala Ile Ala Thr  
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&lt;212&gt; PRT

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&lt;223&gt; hsp 70

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Arg Glu Leu Leu  
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Gly Val Ala Gln Ile Arg Gln Gln Ile Glu Glu Ala Thr Ser Asp Tyr  
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Asp Arg Glu Lys Leu Gln Glu Arg Val Ala Lys Leu Ala Gly Gly  
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Ile Thr Ile Thr Asn Asp Lys Gly Arg Leu Ser Lys Glu Glu Ile Glu  
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Arg Met Val

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1 5 10 15

Val Ala Leu

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Trp Leu Asp Ala Asn Thr Leu Ala Glu Lys Asp Glu Phe Glu His Lys  
1 5 10 15

Arg Lys Glu Leu Glu Gln Val  
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Tyr Asp Arg Glu Lys Leu Gln Glu Arg Leu Ala Lys Leu  
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Arg Asn Ala Gly  
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Gly Lys Gly Asp Lys Ala Gln Ile Glu Lys Arg Ile Gln Glu Ile Ile  
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Glu

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Leu Ser

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Gly

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Lys Leu Gln Glu Arg Val Ala  
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Val Glu Met Lys Glu Lys Lys Ala Arg Val  
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Leu Arg Gly Gln Asn Glu Asp Gln Asn Val Gly  
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Asp Ile Gln Gln Arg Tyr Pro His Leu Pro Tyr Gln Phe Gln Ala Ser  
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Ile Glu Leu Glu Asp Pro Tyr Glu Lys Ile  
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Asp Arg Glu Lys Leu Gln Glu Arg Leu Ala Lys Leu  
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Lys Leu Gln Glu Arg Leu Ala  
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 Val Ala Asp Lys Pro Glu Lys Glu Lys Ala Ser Val  
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Gln Asn Lys Arg Ala Val Arg  
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Val Arg

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 Arg Leu Arg Thr Ala Cys Glu Arg Ala Lys Arg Thr Leu Ser Ser Ser  
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Thr Gln

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 Ala Thr Asp Lys Ser Thr Gly Lys Ala Asn Lys  
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 Thr Ile Thr Asn Asp Lys Gly Arg Leu Ser Lys Glu Glu Ile Glu Arg  
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Met Val Gln Glu Ala Glu Lys Tyr Lys Ala Glu Asp Glu Val Gln Arg  
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Glu Arg Val Ser Ala Lys Asn Ala Leu Glu Ser Tyr  
35 40

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Arg Leu Ser Lys Glu Glu Ile Glu Arg Met Val Gln Glu Ala Glu Lys  
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Tyr Lys Ala Glu Asp Glu Val Gln Arg Glu Arg Val Ser Ala Lys Asn  
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Ala Leu Glu Ser Tyr  
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Arg Leu Ser Lys Glu Glu Ile Glu Arg Met Val Gln Glu Ala Glu Lys  
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Tyr Lys Ala Glu Asp Glu Val Gln Arg Glu Arg Val Ser Ala Lys Asn  
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Ala Leu

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Lys Ile Ser Glu Ala Asp Lys Lys Lys Val Leu Asp Lys Cys Gln  
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Leu Ala Glu Lys Asp Glu Phe Glu His Lys Arg Lys Glu Leu Glu Gln  
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Gly Ala Ser Asp Glu Glu Ile Lys Arg Ala Tyr Arg Arg  
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Arg Arg Gln Ala Leu Arg Tyr His Pro Asp Lys Asn Lys Glu Pro  
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Glu Pro Gly Ala Glu Glu Lys Phe Lys Glu Ile Ala Glu  
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Val Leu Ser Asp Pro Arg Lys Arg Glu Ile Phe Asp Arg Tyr Gly Glu  
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Glu

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Val Asn Phe Gly Arg Ser Arg Ser Ala Gln Glu Pro Ala Arg Lys Lys  
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Gln Asp Pro Pro Val  
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Tyr Ser Gly Cys Thr Lys Lys Met Lys Ile Ser His Lys Arg Leu Asn  
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Pro Asp Gly Lys Ser Ile Arg Asn Glu Asp Lys Ile  
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 Gly Val Ser Lys Thr Ala Glu Glu Arg Glu Ile Arg Lys Ala Tyr Lys  
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Arg Leu Ala Met Lys Tyr His Pro Asp  
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 Thr Ala Glu Glu Arg Glu Ile Arg Lys Ala Tyr Lys Arg Leu Ala Met  
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Lys Tyr

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<400> 69  
 Pro Asp Arg Asn Gln Gly Asp Lys Glu Ala Glu Ala Lys Phe Lys Glu  
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Ile Lys Glu Ala Tyr Glu Val Leu Thr Asp Ser Gln Lys Arg Ala Ala  
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Tyr

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&lt;400&gt; 71

Ile Lys Asp Pro Cys Asn Lys Cys His Gly His Gly Arg Val Glu Arg  
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Ser Lys Thr Leu Ser  
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&lt;210&gt; 72

&lt;211&gt; 14

&lt;212&gt; PRT

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&lt;400&gt; 72

Leu Asn Glu Arg Gln Lys Gln Leu Leu Gln Glu Leu Gln Glu  
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&lt;210&gt; 73

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Escherichia coli

&lt;220&gt;

&lt;223&gt; dnaj

&lt;400&gt; 73

Gln Glu Ser Phe Gly Gly Pro Thr Gly Glu His Asn Ser Pro Arg Ser  
 1 5 10 15

Lys Ser Phe Phe Asp  
 20

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